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Design of Information System about "OJEK WISATA"

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Abstract. By utilizing the potential of traveling and leisure in Bandung, we are creating an innovation called Ojek Wisata Bandung. Ojek Wisata Bandung is a service-based company which focusing on online transportation service especially for traveling needs. This paper aims to facilitate customers in meeting the needs of transportation quickly and easily. For the researching method, we using survey method in this idea, and for the approaching method, we are using structured approaching and for the development method we are using the Waterfall model. This Ojek Wisata Information System has 3 main modules, including the Registration Module, Booking Module and Trip Module The result form this research prove that after we implementing this Ojek Wisata will be more effective and efficient. And with this Integrated Information System, it will helping customers, drivers and administrator to operating this program.

1. Introduction

Public transportation is one of the most widely used means of transportation by everyday people, because the cost is relatively cheap and affordable by most of the society [9]. The increasing demands of community mobility, of course, require transportation that can provide movement and moving from one place to another quickly [8], even though the distance is far away. In this era there is a new breakthrough, the innovation of transportation-based online applications are supported by communication technology through smartphones [1]. Tourism is a mainstay source of foreign exchange because Indonesia is one country that has a diverse range of tourism [3], such as natural attractions, social and cultural tourism spread from Sabang to Merauke. The number of cultural diversity, and natural attractions in Indonesia can attract local tourists and foreign tourists [10], so that with many potentials that have made Indonesia as one tourist destination [5].

Several previous researches in making a Transportation Information System, such as the research conducted by [2], have limitations mainly on the modules it creates, where the modules it creates are just to check the route and define how much cost on the transport route [4]. While research conducted by [6] has some similarities and advantages that exist in the module, where the driver booking module is done automatically while on the system that we made, the booking module still involves the admin to check the availability of the driver.

By utilizing the potential of traveling and leisure in Bandung [7], we are creating an innovation called Ojek Wisata Bandung. Ojek Wisata Bandung is a service-based company which focusing on online transportation service especially for traveling needs. For the researching method, we using survey method in this idea, and for the approaching method, we're using structured approaching and for the development method we're using the Waterfall model. This Ojek Wisata Information System has 3 main modules, including the Registration Module, Booking Module and Trip Module. This paper aims to

facilitate customers in meeting the needs of transportation quickly and easily. For the researching method, we using survey method in this idea, and for the approaching method, we are using structured approaching and for the development method we are using the Waterfall model.

2. Research

Research Methods conducted using survey research methods. Where the authors immediately jumped into the field and threw a few questions against both the driver's ojek tours, as well as travel ojek admin to obtain information needed in conducting this research. So, based on the information obtained that underlie the authors to formulate existing problems and build website Ojek Wisata is to provide solutions of existing problems.

3. Results And Discussion

System Design is a set of activities that describe in detail how the system will run. It aims to produce software products that suit the needs of the user. This research consists of 2 external entities, namely Leadership and Customer. In this system the leader serves as a validation of monthly reports made by the admin, and Customer has a significant role because of all the input comes from the customer. (See Figure 1)

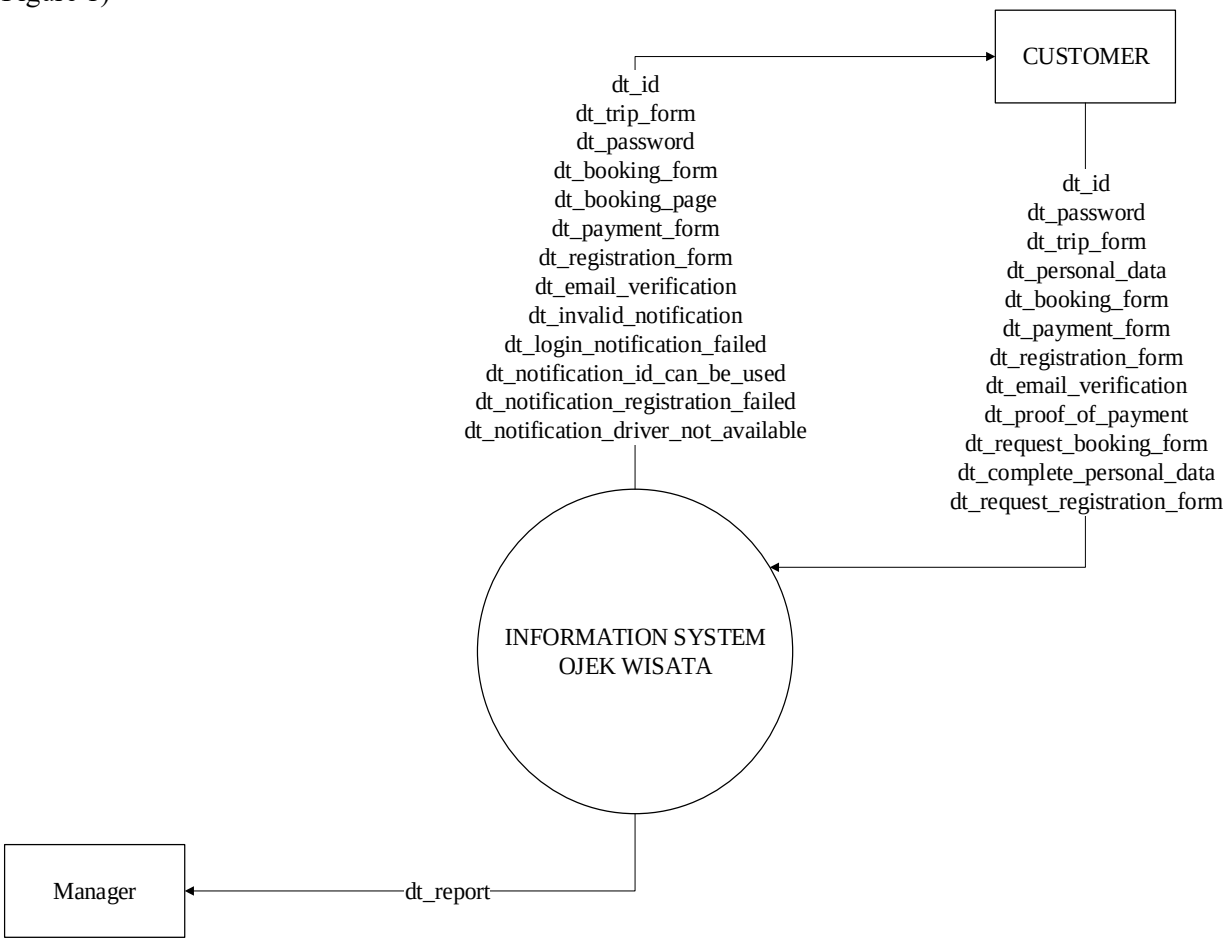

Figure 1. Context Diagram of Ojek Wisata Information System.

Interface Design consists of the design of back end and front end interfaces. Front end interface is the first display that occurs in the system that serves as a form enter or input from the user. After the user input data in the front end interface then the data will be processed by the system so that the back end interface appears the output form or output that displays some information. (See figure 2)

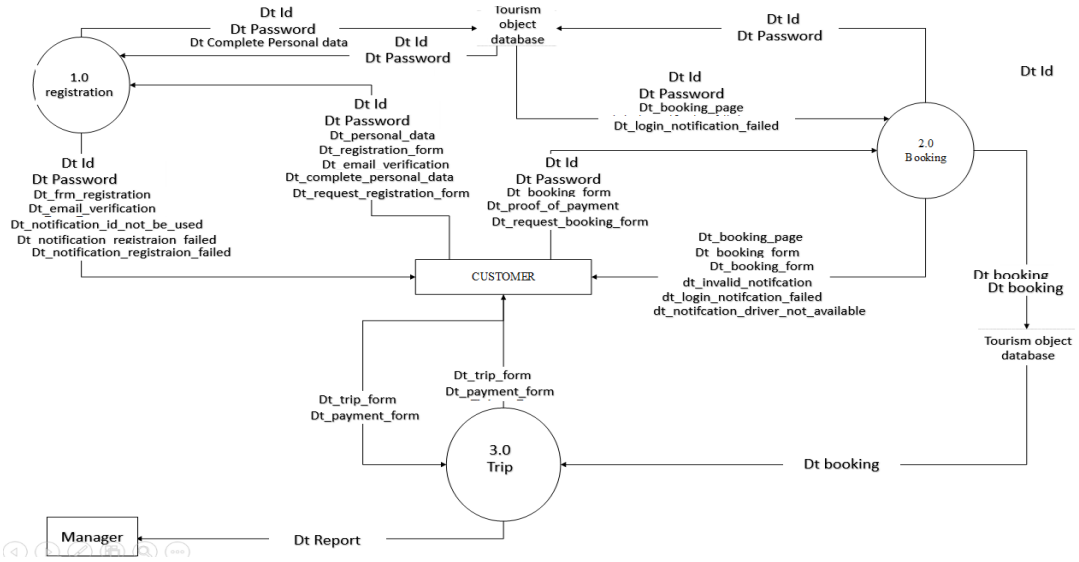

Figure 2. DFD Level 1 Ojek Wisata Information System.

Home page is the first page that will be load when user access the web. We design the interface attractive and friendly for user as possible so that user will feel comfortable and not confused in access menus on website, so they can enjoy the content of the website and easily find information about our services

In this Home Page View, at the top we put our brand "Ojek Wisata Bandung" and couple of links to navigate the Website. There are several link including *Beranda* (Home), *Kegiatan Kami* (Our Activities), *Sejarah* OWB (Our Company History), *Daftar* (Register) and Login. Below the header, we showing a slider which contains 3 major attractive tourism attraction in Bandung. The content of the slider can be edited as well through admistrator page. (See Figure 3)

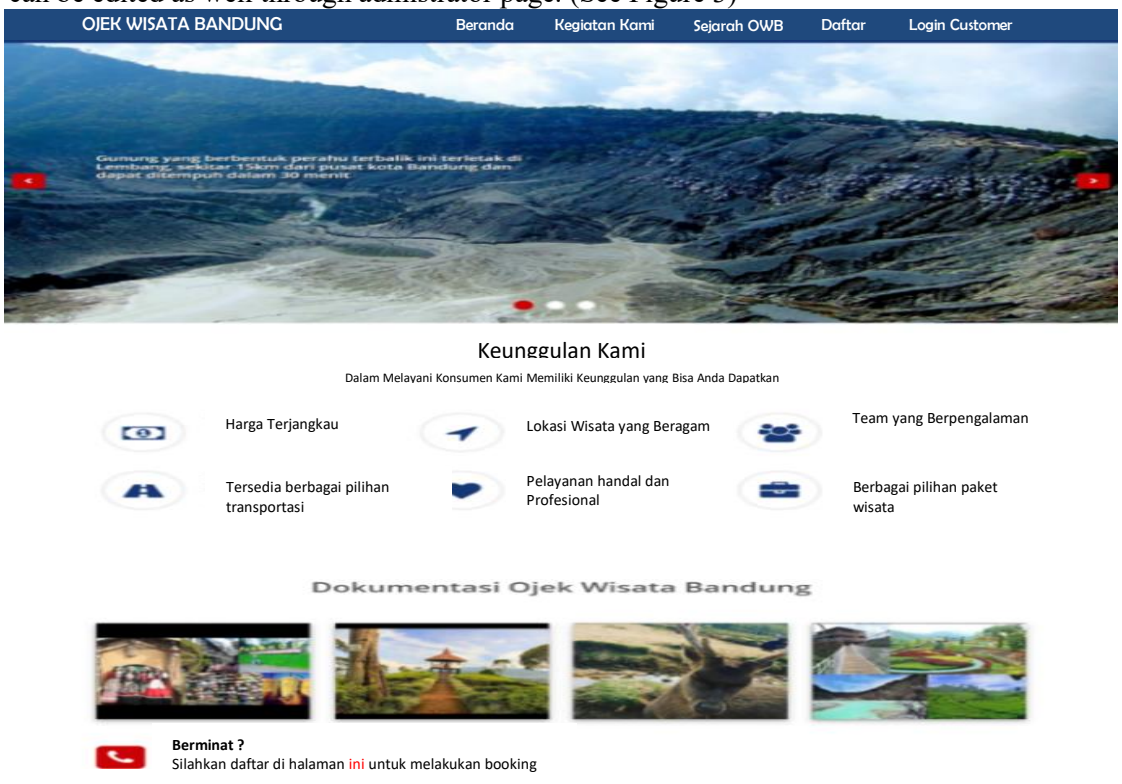

Figure 3. Home Page View.

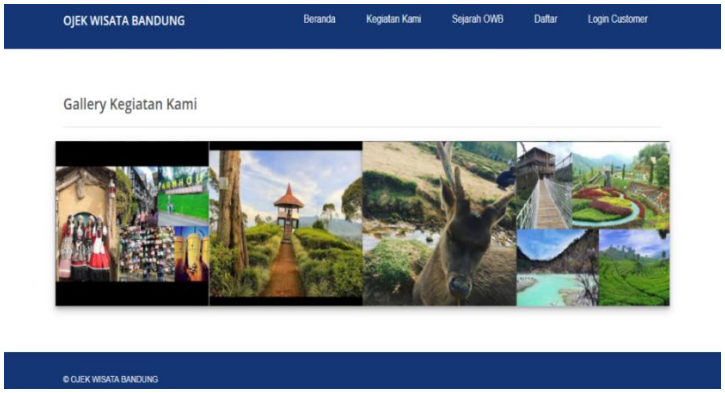

Figure 4. Gallery Page View.

Admin page is a page that will be useful and provide convenience to the admin, admin here can fix the web, add and organize content and monitor the overall activity on the web.

This page is the first page that will be loaded when administrator are logged in. In the left side, there is a sidebar which contains several links to modify the content of the website. Such as Register Customer *Baru* (Newly registered customer), Booking Trip (List of booking trip from user / customer) and *Perjalanan* (Trip Progress). (See figure 5)

Below that, there is a standalone box which contain links to edit few website content including *Tentang* (About Ojek Wisata Company Profile), *Kegiatan* (Photos and Documentation), *Kontak* (Ojek Wisata Contacts) and Driver. But for the Driver data, would not be shown in the Front-end page.

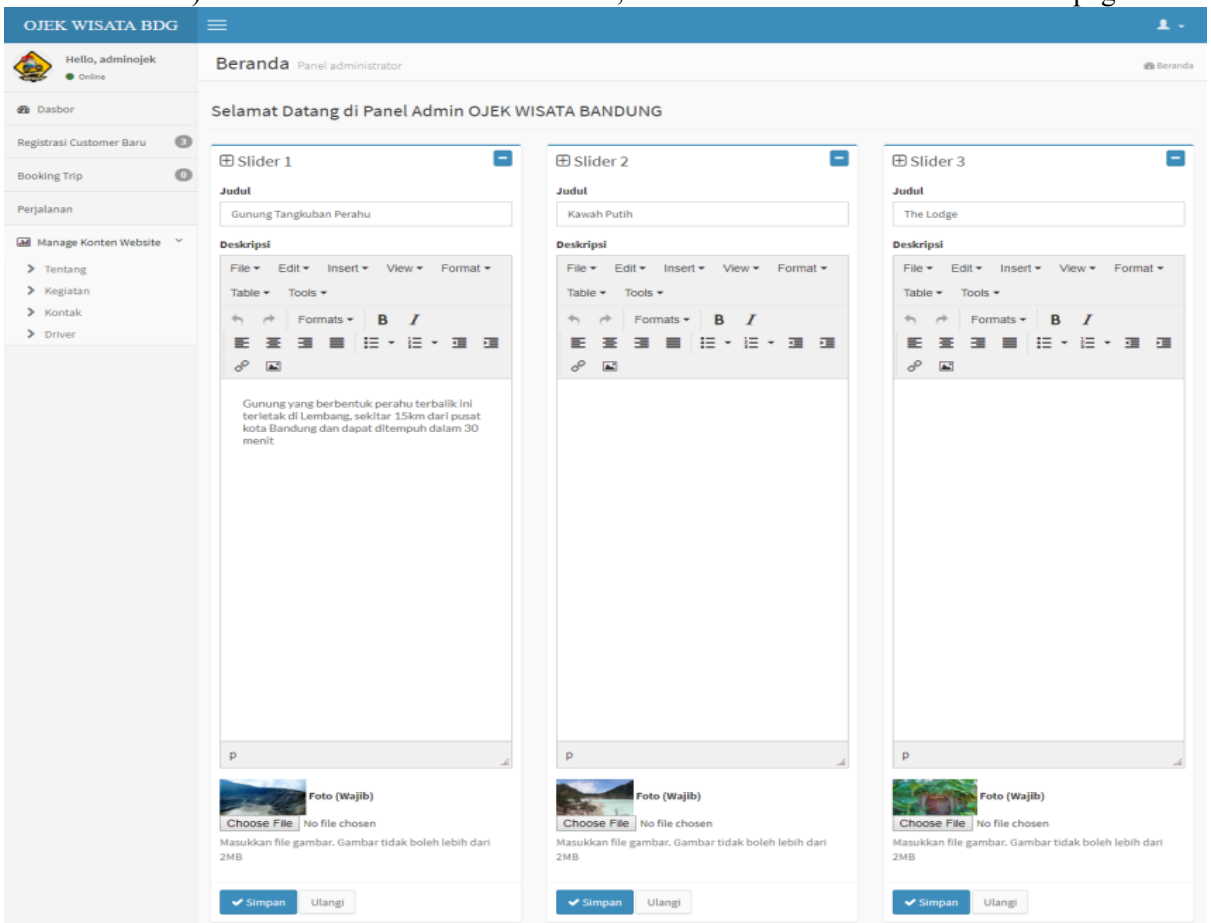

Figure 5. Admin Page View.

On this page, will help the admin in the booking module, In here admin can booking process, ranging from tourist dates, tourist destination, availability of drivers and monitor the status of the last of the booking process. (See figure 6)

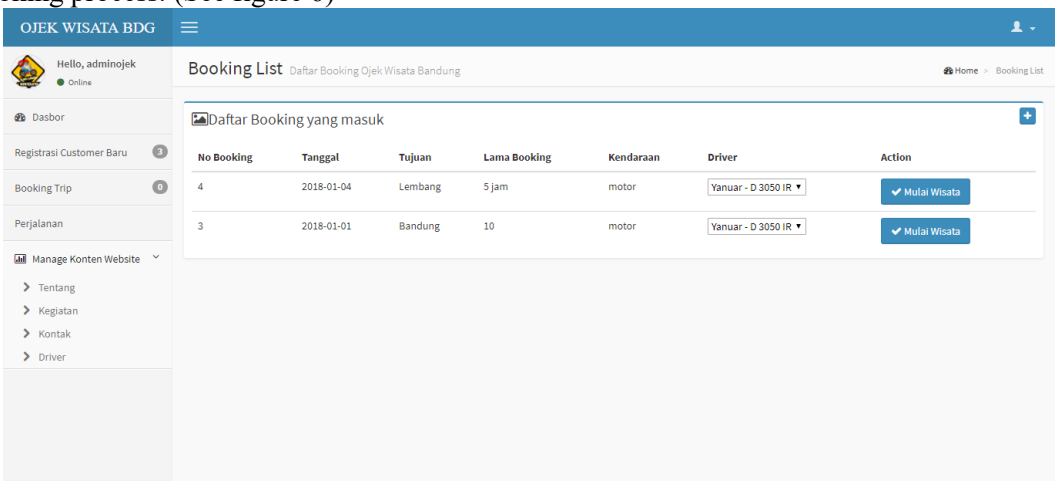

Figure 6. Booking Order List Page View.

Information sytem that have been made to provide more benefits than other transportation information system, one of which is providing tourist services quickly and easily.

4. Conclusions

With this ojek wisata website we expected to facilitate the customers to use the services of ojek wisata for tourism transportation solutions in Bandung. Starting from the process of finding out information about tourist attractions in Bandung, company profile of ojek wisata Bandung, and until tour the reservation process.

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